

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 2

Complete if Known

Application Number	Unknown
Filing Date	Herewith
First Named Inventor	Ian Robinson
Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	NG(ST)-6564

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/SL/		US- 2002/0101935 A1	08/01/02	Wright, et al.	
/SL/		US- 2002/0101936 A1	08/01/02	Wright, et al.	
/SL/		US- 2002/0172231 A1	11/21/02	Claxton, et al.	
/SL/		US- 5,249,201	09/28/93	Posner, et al.	
/SL/		US- 5,680,388	10/21/97	Kahre	
/SL/		US- 5,838,675	11/17/98	Rauscher	
/SL/		US- 6,291,924 B1	09/18/01	Lau, et al.	
/SL/		US- 6,404,783 B1	06/11/02	Cimini, Jr., et al.	
/SL/		US- 6,442,214 B1	08/27/02	Boleskei, et al.	
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				

Examiner Signature	/Siu Lee/	Date Considered	02/28/2007
-----------------------	-----------	--------------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known			
		Application Number	Unknown		
		Filing Date	Herewith		
		First Named Inventor	Ian Robinson		
		Art Unit	Unknown		
		Examiner Name	Unknown		
Sheet		of		Attorney Docket Number	NG(ST)-6564

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
/SL/	1	Huang, et al., "Technique for Alleviating Dyanmica-Range Requirements for Wideband Software Radio Receiver", Institute for Communications Research (ICR), p.1-6	

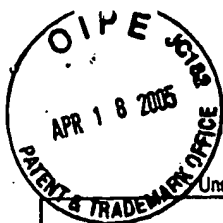
Examiner Signature	/Siu Lee/	Date Considered	02/28/2007
-----------------------	-----------	--------------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	10/700,310
				Filing Date	31 October 2003
				First Named Inventor	Ian Robinson
				Art Unit	Unknown
				Examiner Name	Unknown
Sheet	1	of	1	Attorney Docket Number	NG(ST)6564

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No. ¹	Document Number Number-Kind Code ² (if Known)	Publication Date MM-DD-YYYY	Name Of Patentee Or Applicant Of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear
/SL/		US-5,914,933	06-22-1999	Cimini, et al.	*Abstract* *Figures 1A,2 *Claims 1-13* *Col. 2, line 63-67* *Col. 3, line 1-67* *Col. 4, lines 1-56*
/SL/		US-6,131,016	10-10-2000	Greenstein, et al.	*Abstract* *Figure 2A* *Col. 3, line 33-67* *Claim 1*
/SL/		US-6,331,837 B1	12-18-2001	Shattil	*Abstract* *Figures 11A, 11B, 11C, 12* *Col. 13, line 37-67* *Col. 14, line 26-42*
/SL/		US-2002/0176510 A1	11-28-2002	Laroia	*Abstract* *Figures 1, 3A, 3B* *Claim 1* *¶ 0002, 0006, 0007, 0012, 0039, 0040, 0042, 0043, 0055-0059*

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ²
		Country Code-Number-Kind Code (If Known)				
/SL/		EP 0 831 627 A2	03-25-1998	AT & T Corp.	*Abstract* *Col. 3, line 34-49* *Col. 4, line 37-58*	
/SL/		EP 0 929 161 A2	07-14-1999	Lucent Technologies Inc.	*Abstract* *Figures 4-11* *¶ 0026-0049* *Claims 1-3, 6-8*	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
/SL/		International Search Report for corresponding PCT/US2004/035983, completed 02-03-2005 by A. Mier of the European Patent Office	
/SL/		LEONARD J. CIMINI, JR., and NELSON R. SOLLENBERGER; "OFDM with Diversity and Coding for High-Bit-Rate Mobile Data Applications", XP-000856378; AT&T Labs-Research; pp 247-254	
Examiner Signature	/Siu Lee/	Date Considered	02/28/2007

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.